Router Software Version 11.03 and Site Manager Software Version 5.03 Release Notes

Router Software Version 11.03
Site Manager Software Version 5.03

Part No. 302054-A Rev. 00
March 1998

Bay Networks

Bay Networks

4401 Great America Parkway
Santa Clara, CA 95054

8 Federal Street
Billerica, MA 01821

Copyright © 1998 Bay Networks, Inc.

All rights reserved. Printed in the USA. March 1998.

The information in this document is subject to change without notice. The statements, configurations, technical data, and recommendations in this document are believed to be accurate and reliable, but are presented without express or implied warranty. Users must take full responsibility for their applications of any products specified in this document. The information in this document is proprietary to Bay Networks, Inc.

The software described in this document is furnished under a license agreement and may only be used in accordance with the terms of that license. A summary of the Software License is included in this document.

Trademarks

AN, BCN, BLN, BN, FRE, GAME, and Bay Networks are registered trademarks and ARN, ASN, Bay Networks Press, and the Bay Networks logo are trademarks of Bay Networks, Inc.

All other trademarks and registered trademarks are the property of their respective owners..

Restricted Rights Legend

Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

Notwithstanding any other license agreement that may pertain to, or accompany the delivery of, this computer software, the rights of the United States Government regarding its use, reproduction, and disclosure are as set forth in the Commercial Computer Software-Restricted Rights clause at FAR 52.227-19.

Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Bay Networks, Inc. reserves the right to make changes to the products described in this document without notice.

Bay Networks, Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Portions of the code in this software product may be Copyright © 1988, Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms of such portions are permitted, provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that such portions of the software were developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from such portions of the software without specific prior written permission.

SUCH PORTIONS OF THE SOFTWARE ARE PROVIDED “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In addition, the program and information contained herein are licensed only pursuant to a license agreement that contains restrictions on use and disclosure (that may incorporate by reference certain limitations and notices imposed by third parties).

Bay Networks, Inc. Software License Agreement

NOTICE: Please carefully read this license agreement before copying or using the accompanying software or installing the hardware unit with pre-enabled software (each of which is referred to as "Software" in this Agreement). BY COPYING OR USING THE SOFTWARE, YOU ACCEPT ALL OF THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT. THE TERMS EXPRESSED IN THIS AGREEMENT ARE THE ONLY TERMS UNDER WHICH BAY NETWORKS WILL PERMIT YOU TO USE THE SOFTWARE. If you do not accept these terms and conditions, return the product, unused and in the original shipping container, within 30 days of purchase to obtain a credit for the full purchase price.

1. License Grant. Bay Networks, Inc. ("Bay Networks") grants the end user of the Software ("Licensee") a personal, nonexclusive, nontransferable license: a) to use the Software either on a single computer or, if applicable, on a single authorized device identified by host ID, for which it was originally acquired; b) to copy the Software solely for backup purposes in support of authorized use of the Software; and c) to use and copy the associated user manual solely in support of authorized use of the Software by Licensee. This license applies to the Software only and does not extend to Bay Networks Agent software or other Bay Networks software products. Bay Networks Agent software or other Bay Networks software products are licensed for use under the terms of the applicable Bay Networks, Inc. Software License Agreement that accompanies such software and upon payment by the end user of the applicable license fees for such software.

2. Restrictions on use; reservation of rights. The Software and user manuals are protected under copyright laws. Bay Networks and/or its licensors retain all title and ownership in both the Software and user manuals, including any revisions made by Bay Networks or its licensors. The copyright notice must be reproduced and included with any copy of any portion of the Software or user manuals. Licensee may not modify, translate, decompile, disassemble, use for any competitive analysis, reverse engineer, distribute, or create derivative works from the Software or user manuals or any copy, in whole or in part. Except as expressly provided in this Agreement, Licensee may not copy or transfer the Software or user manuals, in whole or in part. The Software and user manuals embody Bay Networks' and its licensors' confidential and proprietary intellectual property. Licensee shall not sublicense, assign, or otherwise disclose to any third party the Software, or any information about the operation, design, performance, or implementation of the Software and user manuals that is confidential to Bay Networks and its licensors; however, Licensee may grant permission to its consultants, subcontractors, and agents to use the Software at Licensee's facility, provided they have agreed to use the Software only in accordance with the terms of this license.

3. Limited warranty. Bay Networks warrants each item of Software, as delivered by Bay Networks and properly installed and operated on Bay Networks hardware or other equipment it is originally licensed for, to function substantially as described in its accompanying user manual during its warranty period, which begins on the date Software is first shipped to Licensee. If any item of Software fails to so function during its warranty period, as the sole remedy Bay Networks will at its discretion provide a suitable fix, patch, or workaround for the problem that may be included in a future Software release. Bay Networks further warrants to Licensee that the media on which the Software is provided will be free from defects in materials and workmanship under normal use for a period of 90 days from the date Software is first shipped to Licensee. Bay Networks will replace defective media at no charge if it is returned to Bay Networks during the warranty period along with proof of the date of shipment. This warranty does not apply if the media has been damaged as a result of accident, misuse, or abuse. The Licensee assumes all responsibility for selection of the Software to achieve Licensee's intended results and for the installation, use, and results obtained from the Software. Bay Networks does not warrant a) that the functions contained in the software will meet the Licensee's requirements, b) that the Software will operate in the hardware or software combinations that the Licensee may select, c) that the operation of the Software will be uninterrupted or error free, or d) that all defects in the operation of the Software will be corrected. Bay Networks is not obligated to remedy any Software defect that cannot be reproduced with the latest Software release. These warranties do not apply to the Software if it has been (i) altered, except by Bay Networks or in accordance with its instructions; (ii) used in conjunction with another vendor's product, resulting in the defect; or (iii) damaged by improper environment, abuse, misuse, accident, or negligence. THE FOREGOING WARRANTIES AND LIMITATIONS ARE EXCLUSIVE REMEDIES AND ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Licensee is responsible for the security of its own data and information and for maintaining adequate procedures apart from the Software to reconstruct lost or altered files, data, or programs.

4. Limitation of liability. IN NO EVENT WILL BAY NETWORKS OR ITS LICENSORS BE LIABLE FOR ANY COST OF SUBSTITUTE PROCUREMENT; SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES; OR ANY DAMAGES RESULTING FROM INACCURATE OR LOST DATA OR LOSS OF USE OR PROFITS ARISING OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF THE SOFTWARE, EVEN IF BAY NETWORKS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL THE LIABILITY OF BAY NETWORKS RELATING TO THE SOFTWARE OR THIS AGREEMENT EXCEED THE PRICE PAID TO BAY NETWORKS FOR THE SOFTWARE LICENSE.

5. Government Licensees. This provision applies to all Software and documentation acquired directly or indirectly by or on behalf of the United States Government. The Software and documentation are commercial products, licensed on the open market at market prices, and were developed entirely at private expense and without the use of any U.S. Government funds. The license to the U.S. Government is granted only with restricted rights, and use, duplication, or disclosure by the U.S. Government is subject to the restrictions set forth in subparagraph (c)(1) of the Commercial Computer Software—Restricted Rights clause of FAR 52.227-19 and the limitations set out in this license for civilian agencies, and subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause of DFARS 252.227-7013, for agencies of the Department of Defense or their successors, whichever is applicable.

6. Use of Software in the European Community. This provision applies to all Software acquired for use within the European Community. If Licensee uses the Software within a country in the European Community, the Software Directive enacted by the Council of European Communities Directive dated 14 May, 1991, will apply to the examination of the Software to facilitate interoperability. Licensee agrees to notify Bay Networks of any such intended examination of the Software and may procure support and assistance from Bay Networks.

7. Term and termination. This license is effective until terminated; however, all of the restrictions with respect to Bay Networks' copyright in the Software and user manuals will cease being effective at the date of expiration of the Bay Networks copyright; those restrictions relating to use and disclosure of Bay Networks' confidential information shall continue in effect. Licensee may terminate this license at any time. The license will automatically terminate if Licensee fails to comply with any of the terms and conditions of the license. Upon termination for any reason, Licensee will immediately destroy or return to Bay Networks the Software, user manuals, and all copies. Bay Networks is not liable to Licensee for damages in any form solely by reason of the termination of this license.

8. Export and Re-export. Licensee agrees not to export, directly or indirectly, the Software or related technical data or information without first obtaining any required export licenses or other governmental approvals. Without limiting the foregoing, Licensee, on behalf of itself and its subsidiaries and affiliates, agrees that it will not, without first obtaining all export licenses and approvals required by the U.S. Government: (i) export, re-export, transfer, or divert any such Software or technical data, or any direct product thereof, to any country to which such exports or re-exports are restricted or embargoed under United States export control laws and regulations, or to any national or resident of such restricted or embargoed countries; or (ii) provide the Software or related technical data or information to any military end user or for any military end use, including the design, development, or production of any chemical, nuclear, or biological weapons.

9. General. If any provision of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, the remainder of the provisions of this Agreement shall remain in full force and effect. This Agreement will be governed by the laws of the state of California.

Should you have any questions concerning this Agreement, contact Bay Networks, Inc., 4401 Great America Parkway, P.O. Box 58185, Santa Clara, California 95054-8185.

LICENSEE ACKNOWLEDGES THAT LICENSEE HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. LICENSEE FURTHER AGREES THAT THIS AGREEMENT IS THE ENTIRE AND EXCLUSIVE AGREEMENT BETWEEN BAY NETWORKS AND LICENSEE, WHICH SUPERSEDES ALL PRIOR ORAL AND WRITTEN AGREEMENTS AND COMMUNICATIONS BETWEEN THE PARTIES PERTAINING TO THE SUBJECT MATTER OF THIS AGREEMENT. NO DIFFERENT OR ADDITIONAL TERMS WILL BE ENFORCEABLE AGAINST BAY NETWORKS UNLESS BAY NETWORKS GIVES ITS EXPRESS WRITTEN CONSENT, INCLUDING AN EXPRESS WAIVER OF THE TERMS OF THIS AGREEMENT.

Contents

Technical Support

Bay Networks Technical Publications vii
Bay Networks Customer Service vii
How to Get Help viii
Bay Networks Educational Services viii

Router Software Version 11.03 and Site Manager Software Version 5.03 Release Notes

Year 2000 Compliance 1
Image Builder Operational Note 2
Router Software Version 11.03 Fixed Anomalies 3
Site Manager Software Version 5.03 Fixed Anomalies 36

Technical Support

Bay Networks Technical Publications

You can now print technical manuals and release notes free, directly from the Internet. Go to *support.baynetworks.com/library/tpubs*. Find the Bay Networks products for which you need documentation. Then locate the specific category and model or version for your hardware or software product. Using Adobe Acrobat Reader, you can open the manuals and release notes, search for the sections you need, and print them on most standard printers. You can download Acrobat Reader free from the Adobe Systems Web site, *www.adobe.com*.

Documentation sets and CDs are available through your local Bay Networks sales office or account representative.

Bay Networks Customer Service

You can purchase a support contract from your Bay Networks distributor or authorized reseller, or directly from Bay Networks Services. For information about, or to purchase a Bay Networks service contract, either call your local Bay Networks field sales office or one of the following numbers:

Region	Telephone number	Fax number
United States and Canada	800-2LANWAN; then enter Express Routing Code (ERC) 290, when prompted, to purchase or renew a service contract 978-916-8880 (direct)	978-916-3514
Europe	33-4-92-96-69-66	33-4-92-96-69-96
Asia/Pacific	61-2-9927-8888	61-2-9927-8899
Latin America	561-988-7661	561-988-7550

Information about customer service is also available on the World Wide Web at *support.baynetworks.com*.

How to Get Help

If you purchased a service contract for your Bay Networks product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Bay Networks service program, call one of the following Bay Networks Technical Solutions Centers:

Technical Solutions Center	Telephone number	Fax number
Billerica, MA	800-2LANWAN	978-916-3514
Santa Clara, CA	800-2LANWAN	408-495-1188
Valbonne, France	33-4-92-96-69-68	33-4-92-96-69-98
Sydney, Australia	61-2-9927-8800	61-2-9927-8811
Tokyo, Japan	81-3-5402-0180	81-3-5402-0173

Bay Networks Educational Services

Through Bay Networks Educational Services, you can attend classes and purchase CDs, videos, and computer-based training programs about Bay Networks products. Training programs can take place at your site or at a Bay Networks location. For more information about training programs, call one of the following numbers:

Region	Telephone number
United States and Canada	800-2LANWAN; then enter Express Routing Code (ERC) 282 when prompted 978-916-3460 (direct)
Europe, Middle East, and Africa	33-4-92-96-15-83
Asia/Pacific	61-2-9927-8822
Tokyo and Japan	81-3-5402-7041

Router Software Version 11.03 and Site Manager Software Version 5.03 Release Notes

This document lists the anomalies (also referred to as bugs, change requests, or CRs) that have been fixed in Bay Networks® Router Software Version 11.03 and Site Manager Software Version 5.03. Router Software Version 11.03 includes all anomalies that were fixed in 11.02 Revisions 1, 2, 3, 4, and 5; Site Manager Software Version 5.03 includes all anomalies that were fixed in 5.02 Revisions 1, 2, 3, 4, and 5.

Note: The fixes for CR 34023 and 34024 are in Site Manager Software Version 6.10. They were removed from Site Manager Software Version 5.03 because of compatibility issues. The router portions of these fixes remain in Router Software Version 11.03; use the Technician Interface to access the new MIB parameters.

Use the Router Software Version 11.00 and Site Manager Software Version 5.00 documentation with Router Software Version 11.03 and Site Manager Software Version 5.03.

Year 2000 Compliance

Router Software Version 11.03 and Site Manager Software Version 5.03 are Year 2000 Compliance Certified by Bay Networks. They have successfully passed Bay Networks Test Procedure which tests conformance to Bay Networks Year 2000 compliance definition, both of which can be found at Bay Networks Year 2000 Web Site at http://www.baynetworks.com/year2000/.

Image Builder Operational Note

If you are using Image Builder in Site Manager Software Version 6.10 to modify a Router Software Version 11.03 router image, you will receive an error. Please contact Bay Networks Customer Support to obtain the patch for this problem.

Router Software Version 11.03 Fixed Anomalies

Bay Networks has fixed the following anomalies in Version 11.03.

==========

SITE MANAGER COMPATIBILITY

==========

Router Version is managed by Site Manager version

v11.03 ----------> 5.03

v11.02 revision 1 ----------> 5.02 and 5.02 rev 1

v11.02 revision 2 ----------> 5.02 and 5.02 rev 2

v11.02 revision 3 ----------> 5.02 and 5.02 rev 3

v11.02 revision 4 ----------> 5.02 and 5.02 rev 4

v11.02 revision 5 ----------> 5.02 and 5.02 rev 5

==========

Router Software Version 11.03 corrects the following problems:

==========

CR 35065: Technician Interface.

If the year is 2000 or greater, using the **log** command with the **-d** option does not work correctly.

CR 32544: LLC2.

When you dynamically add DLS or APPN to an IP interface, LLC2 may fail to come up.

CR 33165: Frame Relay.

Frame relay fails to identify an empty list of Full status inquiry and fails to close the permanent virtual circuit (PVC).

CR 33235: Frame Relay.

A configuration that contains many Direct Mode PVCs may Watchdog when you convert to a higher version of router code.

CR 33853: DLSw.

DLSw fails when the wfDlsConnectionEntry MIB entries are aged out in dls_mib.c.

CR 33880: DLSw.

DLSw does not use the Backup Peer Hold Down Timer after a TCP connection reset.

CR 33298: DVMRP.

When the DVMRP route switch timer expires, a delete cache message is sent to delete the old incoming VIF cache entries. This delete cache message is not propagated to remote slots, resulting in upstream neighbors being pruned for certain (s, g) pairs.

CR 34027: DVMRP.

DVMRP routes are not declared unreachable when the reporting neighbor times out. DVMRP waits for the route expiration timer to expire before updating those routes.

CR 34103: DVMRP.

The router does not always prune (s, g) caches for which there is neither a local member nor a downstream neighbor.

CR 34104: OSPF.

A condition exists in OSPF in which an ARP request can be generated out of the wrong interface when the OSPF next hop for that network is in transition. A response from a device running proxy ARP at that time causes installation of the host route, which results in traffic being forwarded out the wrong interface.

CR 34207: DVMRP.

When the router learns a new and better route to source net S from VIF2, it still keeps cache entries for source S on VIF1 instead of switching to VIF2.

CR 34210: DVMRP.

When a DVMRP triggered update is sent out because of topology changes detected by DVMRP, the software only sends updates to the first of all the DVMRP interfaces on a given slot.

CR 33696: FRAD.

When you configure DLSw in dynamic configuration mode, changing the secondary (HostFRAD) point-to-point or multidrop local device to primary causes all sessions on the port to fail.

CR 32310: SDLC.

Bay Networks upgraded the severity level on several trap SDLC messages from Info to Warning.

CR 26560: FRAD.

An endless XID loop occurs when you configure the following scenario: host(3172) - ethernet - frad - frame relay (ban or bnn) - frad - sdlc - 3174(pu2.1)

CR 27260: IP.

When you enable the IP host cache after the router has learned a large number of hosts through the port, the router experiences a fault, causing the slot to reset.

CR 28807: FTP.

Dynamically enabling FTP in the router does not work.

CR 30336: X.25.

Parallel PDN and IPEX services do not work on the same X25 line. The PDN service will call a remote X.121 address of 0000000, instead of its configured remote X.121 address.

CR 30952: DLSw.

The DLS slot memory statistics show fictitious memory usage by this DLS slot. This condition reflects incorrect statistics and inhibits the establishment of new connections, because the erroneous statistic is used to determine whether DLS may acquire more memory from the system heap during connection establishment.

CR 32880: IP.

A BLN router configured for host-only mode fails during the first telnet attempt after each boot or reboot attempt.

CR 32886: DLSw.

If you disconnect and reconnect a PU1 controller to the SDLC primary line on a router, DLSw gets stuck cycling between disconnected and established states.

CR 32943: Translation Bridge.

You cannot reestablish a session between a PC3270 and an IBM Host after resetting the source route base in a translational bridge environment.

CR 32978: DLSw.

If you dynamically delete a circuit on which DLS is configured, a Vector 2 - bus error occurs.

CR 33035: OSPF.

In certain configurations, the OSPF Multihop ECMP functionality fails to distribute networks across equal-cost OSPF point-to-point paths.

CR 33120: Switched Services.

A router running Router Software Version 11.01 or later sends ISDN call setups requesting the same B channel on a PRI for successive calls.

CR 33348: Switched Services.

If you schedule TOD parameters for a demand circuit using NOT_AVAILABLE, the demand circuit does not become active after the end time has passed. This is not a problem if the whole day is NOT_AVAILABLE, only when part of the day is NOT_AVAILABLE.

CR 33404: APPN.

A router running Router Software Version 11.00 rev 6 fails with a tag violation.

CR 33634: IP.

The hog buf in ip_rtm_update (gate id 0x00152) can cause the slot to run out of buffers, thereby causing other gates to ERROR on the same slot.

CR 33685: OSI.

With load balancing disabled, OSI may install multiple MIB instances for the same route.

CR 33711: DLSw.

If you disable TCP on a router with 500 or more DLS connections, some of the connections never become disabled. The router will continually transmit RAS or RNRs to the local station, which may prevent the host from realizing that the connection has gone down.

CR 33764: APPN.

When a router is connected to an existing router (running Version 11.00/4), a problem arises if you reboot the new router. The CP-CP session forms correctly, but the transfer of the APPN topology database is erratic. It can take two days for the transfer to complete.

CR 33910: Syslog.

A problem exists when a syslog message is delivered as a UDP packet over a frame relay network with WCP enabled. When WCP compresses this packet, it sets a -1 to the next pointer of a buffer, which causes the system to fail.

CR 33933: APPN.

When an EN (AS/400) router is configured with multiple CP-CP sessions, the router that receives a Cross_Domain_Initiate GDS variable as a part of an EN's LOCATE message incurs a tag violation error. This problem results in memory corruption when you attempt to allocate and free buffers in Session Services.

CR 33957: Scripts.

When you set up an ASN router with an MCEI interface, the configuration script fails to ask you to specify the type of WAN protocol to be used. After you configure the physical level, the process jumps to the IP configuration.

CR 33995: IPX.

Creating a circuit in an IPX router and then deleting that same circuit using the IPX script causes the MIB variable wfCircuitNameEntry to be non-contiguous. The *ipx.bat* batch file incorrectly indexes circuits if there are circuits missing from the wfCircuitNameEntry.

CR 34000: FireWall.

A problem exists in FireWall in which there is no device, such as a slot mask, to control which slot FireWall runs on. If FireWall is not running on the slot that is configured with the IP address used to communicate with the management station, communication will fail.

CR 34161: LLC.

Deleting an interface configured with LLC2 causes the router to experience a bus error.

CR 30998: DLS.

If you substitute a wildcard as part of a MIB instance ID when performing a MIB Get operation on the MIB entry wfDisConnectionEntry (Version 11.01or later), the router responds with an incorrect answer.

CR 31364: BGP.

Community-based policies match routes without any community attribute.

CR 32236: Technician Interface.

If you try to save a large configuration file in dynamic mode, the router fails, preventing you from saving the file from either Site Manager or the Technician Interface.

CR 33674: QLLC.

After you disable the MIB object, the state value does not change.

CR 34024: BOT.

This is an enhancement request to enable the Bisync protocol to support more leading SYNC characters. Currently, the BISYNC code is hardcoded for 2 leading SYNC characters. The customer's Bisync controller requires 7 SYNC characters. The router software code requires configurable leading SYNC characters in order to interoperate.

CR 24909: FLASH.

Routers fail to boot with Hitachi Maxell type flash cards.

CR 30140: BGP.

When you configure a second BGP peer between two routers, and the MIB object is enabled (default), the router terminates the second peer without logging a message explaining why the peer was terminated.

CR 31607: IP.

Magic route images fail in Router Software Version 11.02.

CR 31938: BGP.

There is a problem with the *bgp.bat* script (Version 1.20) when you use the **show bgp policy announce/accept** command to view BGP policies. If you insert more than a few entries in certain attributes, the router generates an error.

CR 32204: IP.

When you configure IPEX with X.25 gateway mappings, the system test requires you to disconnect the IP physical interface, then reconnect it and reestablish the TCP connections. But if you disconnect the Ethernet transceiver on the DSDE interface, you create a fault in IP that causes the MIB mappings to restart in IPEX.

CR 32417: BGP.

A problem exists during convergence in an AS such that BGP can submit a route with the Next Hop not on a directly connected network. Then IP installs a host entry for this Next Hop, which leads to various forwarding problems.

CR 32700: BGP.

When you bounce peers on a router configured for BGP, free memory decreases rapidly.

CR 32980: SM.

File Manager misinterprets file date stamps beyond the year 1999.

CR 33056: IPX.

If you have multiple route filters with the same priority, the oldest filter takes precedence, thereby ignoring the ordering sequence in the route filter table.

CR 33505: DLSw.

A problem occurs in DLSw that causes certain XID exchanges to fail.

CR 33666: DLSw.

Reserved capx with values in the range 0x8c - 0xcf returns error messages. These values should be ignored.

CR 33785: DLS.

When you globally disable DLS, the MIB object still shows active connections.

CR 33878: Technician Interface.

If you use *install.bat* to install a new router using SMDS outside the US, the *install.bat* script adds a prefix of C1 for the configured individual address and E1 for the group address.

CR 34107: Router.

A Bay Networks 11.02/2 router can experience a bus error if it receives excessive LAPB resets. This occurs particularly when the interface is attempting to activate.

CR 34112: DLSw.

When non-Bay Networks routers send frames with different circuit ID values to a receiving Bay Networks router.

CR 31943/31944: BGP.

This is an enhancement request to “show bgp routes” to allow you to see community information being announce/accepted.

CR 23861: IP.

This is an enhancement request to allow configuration of IP Policy filters (Announce/Accept) over unnumbered links, for when certain IP routes need to be manipulated.

CR 30266: Frame Relay.

A bus error can occur in frame relay if a router receives frames destined for a frame relay source route interface while that interface is still initializing.

CR 34388: IP.

If you configure a multiline circuit on multiple slots, and you reset one of these slots, the non-multiline slots might fail to install the adjacent host for the multiline circuit.

CR 28911: SM-CONFIG.

You cannot schedule a boot operation for the router for the year 2000 or after.

CR 31649: PING-MIB.

The reported IP ping round-trip times are incorrect. This affects both the Technician Interface ping command and the ping MIB.

CR 32394: Technician Interface.

If you use the embedded **enable/disable sync** command from the Technician Interface, and refer to a circuit by name, a bus error may occur.

CR 33316: TR-LANE.

When you configure a router for source route bridge over token ring LANE, it may LE-ARP for a Route Descriptor field instead of a MAC address.

CR 34085: QLLC.

A bus error occurs if you make multiple dynamic changes to a QLLC map entry.

CR 31550: IP.

The router experiences a fault when attempting to test pool priority/dial backup lines, and multiple circuits configured on one line.

CR 34023: DLSw.

When a frame relay link breaks or the FEP fails, the router continues to poll the controller. This prevents the customer from configuring another FEP to call the IPLS.

CR 32629: DLSw.

An enhancement request to allow the deletion of a single DLS connection via the Remote Data Link Correlator.

CR 33356: FDDI.

In a Dual Homed configuration, PHY_A disconnects if a process runs too long in the CPU. The router reports a PHY_A disconnect and then 50 seconds later will put PHY_A back into standby. This could be a serious problem if PHY_B fails during those 50 seconds that PHY_A is disconnected.

CR 33654: DVMRP.

DVMRP_BASE will slowly grab buffers and not release them. This continues until the slot runs out of buffers, and the router fails.

CR 33929: DVMRP.

DVMRP fails to poison and respond to a route for which it is dependent upon the sourcing upstream neighbor.

CR 34358: Technician Interface.

The Technician Interface allows you to set invalid years with the **date** command. Only the years 1971 to 2070 are allowed.

CR 34395: OSPF.

If you bounce an Autonomous System Border Router (ASBR) in an OSPF area, the Area Border Router (ABR) might permanently age out the Type 4 link for that ABR, eliminating connectivity to that ASB’s external routes for all routers outside of that area.

CR 34422: DVMRP.

Sometimes grafts received from downstream neighbors are not propagated to upstream neighbors.

CR 34456: Frame Relay.

A fault may occur when you reboot a router with a configuration that was saved after certain dynamic configuration changes were made to frame relay.

CR 34594: DVMRP.

A router generates an error in dvmrp_timers.c at line 197s after its DVMRP neighbor times out.

CR 33253: LLC.

A memory leak occurs if you continually bounce a MIB object.

CR 33378: DVMRP.

IP fragmentation fails for subsequent multicast packets after properly fragmenting the first packet.

CR 33889: RIP2.

In RIP2, a router fails to install a natural network in the routing table that it had learned as a subnetted network of that natural network.

CR 34175: ATM.

When you dynamically configure a router in Ethernet LANE while adding IP/RIP to the second service record, an Exception Vector2 - MCP error occurs.

CR 32859: DVMRP.

Certain MIB object counters do not increment properly as the router accepts multicast traffic for forwarding. See CR 32860.

CR 32860: DVMRP.

Certain MIB object counters do not increment properly as the router transmits multicast traffic. See CR 32859.

CR 33612: DVMRP.

The router fails to send in a graft after a dependent downstream router on a pruned branch restarts.

CR 34374: Firewall.

A problem exists in certain multiple layer 2 and 3 protocols such that when packets are received in a list of buffers rather than one buffer at a time, IP and IPX do not work together. Further, if the first packet is a non-IP packet, the entire list might bypass the filter and allow all traffic to get in.

CR 34484: PPP.

IP incorrectly considers the Maximum-Receive-Unit to include not only the Payload (information field), but the header as well. This can cause a discrepancy in the total packet size crossing the PPP line and the maximum protocol size.

CR 34336: DVMRP.

The router fails to delete mask entries from routes_by_mask_utbl in the base environment.

CR 32983: LOADER.

If there are two or more advance routing engines (ARE) configured in one router, and you perform a named boot without using the *bn.exe* image or *config*, one of the AREs will fail to load all of its executable files.

CR 30380: ATM.

An MCP error occurs when you disable and enable ATM signaling entities.

CR 33672: SYNC.

If a port on an octal sync card receives an excessive amount of errors, resource errors occur on the other ports on the same chip.

CR 34653: DLSw.

A bus error occurs when you boot a BLN router with a variety of DLS configurations.

CR 34693: ATM.

An error occurs when you run ATM with LAN Emulation configured.

CR 30591: DLSw.

This is an enhancement request to display the number of DLS circuits active on a slot or an LLC2 interface. Without this facility, it is difficult to monitor and plan for DLSw growth on a router.

CR 32822: Spanning Tree.

This is an enhancement request to increase the severity of a debug message to the warning message `Port record not available for port X`.

CR 34749: DLSw.

A bus error occurs when you delete the DLSw slot entry and then globally disable DLSw.

CR 34226: IP.

When you enable the IP Extended Filter Support parameter (wfIpBase.20.0), filters that forward to the next-hop address do not work correctly, resulting in an error.

CR 34893: ATM.

An error occurs in 11.02 rev 3 and later, resulting in an Inter-Cell Gap that exceeds the configured Peak Cell Rate for a DS3 board.

CR 34632: BNX Switch.

If you disable the frame relay side of a frame relay/ATM interworking circuit (on the FRE) while running BayStream code 7.10 rev2 when the circuit is disabled (on the FRE) TX ATMizer status errors occur on the ARE slot.

CR 33928: OSPF.

A router configured for OSPF may fail to properly advertise a Type 2 LSA for a network on which it is the designated router. This results in a loss of connectivity to that network throughout the AS and routers not using that network in their shortest path first calculations.

CR 33984: OSPF.

A condition exists in OSPF (version 9.0 and later) in which an ABR fails to originate a more specific summary net for a non-backbone area when a less specific summary net is present in the non-backbone area. The ABR fails to consider the validity of the less specific summary net or whether it is even present in the backbone LSDB.

CR 34155: OSPF.

This is an enhancement request to add gate statistic reporting capability to OSPF. This new feature will enable you to determine how many buffers were processed after each run of the OSPF receive gate and how many of each kind of OSPF messages were processed during that particular run.

CR 32886: DLSw.

After a PU1 controller is disconnected and reconnected to the SDLC Primary line on a router, DLSw gets stuck cycling between disconnected and established states. After entering an established state, the AS/400 sends an XID poll, which is transported across to the remote controller. The remote controller responds with an XID Final, which is transported back to the central site, received by DLSw and by the SDLC code, but never transmitted back to the AS/400.

CR 33922: SDLC.

An AN router may experience a bus error fault when the SDLC is set to “VARIED OFF” on the AS400 for the remote SDLC controllers.

CR 33921: SDLC.

An AN router can experience a bus error fault when you set the SDLC line to “VARY ON” on the AS400 for the remote SDLC controllers.

CR 34135: DLSw.

On a fully configured control unit, not all LUs become active. As a result, you must often manually deactivate and reactivate the high-numbered LUs. This condition occurs on SDLC-attached controllers and/or an SDLC-attached host.

CR 33959: IPEX.

This is an enhancement request for the calling address insertion/overwrite feature. The alarm management system used relies on the calling address field in the incoming call to identify the device reporting the alarm. The X.25 devices used in this network do not fill the calling address in their calling request packets. However, the alarm system still works because the public X.25 network inserts the correct calling address when it receives a call request with this field empty.

We created a new MIB variable, wfIpexMappingXlateCallingX121. When wfIpexInsCallingDte is enabled, the calling address is overwritten by the value specified in wfIpexMappingXlateCallingX121, if configured.

CR 34018: GAME.

A debug message causes confusion between fault and debug code, resulting in stack dumps.

CR 24909: Flash.

Routers will not boot with Router Software Version 8.12/11 or later using Hitachi Maxell type flash cards.

CR 34266: SDLC.

A DLC-SDLC DLSw connection does not recover after VC moves from an active to an inactive state.

CR 31179: IPX.

High CPU utilization during IPX updates may lead to out-of-buffer faults.

CR 32246: ATM.

Configuring AppleTalk AURP on an ATM/ARE interface causes a BN router to fault.

CR 32284: OSPF.

In router software versions 10.01 and later, OSPF faults when you configure announce policies on the router to aggregate external class C networks into class B or class A networks.

CR 32400: OSPF.

When an intra path to an ASBoundary router changes, an ASB Summary LSA update routine will not be called unless the intra path is the best route.

CR 29796/31259: Switched Services.

Unsuccessful SPID registration occurs after a line failure. The Line Manager faults when you bring down an ISDN line.

CR 31900: IP.

In software version 11.01, using an ARE board, the router decrements the TTL by 2. This problem occurs only when you enable an IP traffic filter on the ARE interface.

CR 32778: Frame Relay.

wfSyncLackRescTx increments too frequently when Protocol Priority is enabled.

CR 29988: APPN.

When you configure an AN router for a GAME buffer size of 1824 (default), an APPN ping of 1500 bytes causes a FAULT (nbase ASSERT) in the function nba_alloc_inter_msg.

CR 30313: OSPF.

MAX aged LSAs (3600) are not being flushed from LSDBs after you disable one of the ABRs in a dual ABR.

CR 32046: Source Route Bridge.

If you disable the Source Route Bridge (SRB) base when booting the router, a bus error may occur.

CR 32155: Source Route Bridge.

If you enter an invalid Source Router Bridge (SRB) interface Ring ID, an invalid SRB bridge ID, or an invalid SRB internal LAN ID using the Technician Interface, an orphan buffer occurs.

CR 33025: DLSw.

After you terminate a DLS connection entry between a PC3270 and a host, the MIB variable wfDlsConnectionEntry.wfDlsConnectionCct is set to 0.

CR 30445: DLSw.

After you delete LLC2 from an Ethernet interface on which DLSw was configured, the router experiences a bus error. Following the bus error, devices on this interface fail to respond to a ping command.

CR 30810: ASN.

A PPP link over DOD fails to activate on an ASN router configured with special hardware (32MB RAM, 1 Quad-BRI, 1 or no other module). The ASN router shows different types of error messages usually associated with LCP failure and/or buffer starvation.

CR 30411: DLSw.

This is an enhancement request to remove a single DLS connection from a DLS router. Currently, if a single connection hangs, you must globally disable and reenable DLS to clear the connection. This feature should be provided via a MIB set, and does not need to be available using Site Manager.

CR 29254: APPN.

APPN DLUR fails to send a discovery packet to PUs. As a result, the LLC2 session never terminates.

CR 31082: Hardware Link Module.

A dual port 100BASET card corrupts frames installed in a BLN router when you send 1504-byte frames that contain UDP data bi-directionally at wire speeds across both ports on the Ethernet card.

CR 32008: Switched Services.

Dial backup fails after you dynamically create a frame relay backup circuit using PRI ISDN. The failure occurs when one of the backup circuits does not come up properly (not always the same one). Resetting the PRI slot alleviates this problem.

CR 32408: X.25.

Multiple IP interfaces/service records of type PDN are created on an X.25 circuit. IP statistics indicate that the IP interfaces are sending traffic through a particular SVC, but IP traffic is received but not transmitted.

CR 32438: OSPF.

A Max Aged OSPF route may not age out of the IP routing table.

CR 32587: DVMRP.

A graft is not sent toward the source when a DVMRP interface becomes available after you reset a slot. A graft must be sent to undo the prune that was sent (correctly) when the slot was reset. This prevents multicast traffic from being forwarded out the recovered slot for the duration of the prune time-to-live interval (default 5 minutes).

CR 32753: OSPF.

An area border router with area range summaries configured can get stuck in load state while the other side of the adjacency is in full state.

CR 29813: ARP.

Routers fail to update the ARP table according to specifications in RFC 826.

CR 30546: Firewall.

The CheckPoint Log Viewer occasionally displays the incorrect time. The date is correct, but the time may be ahead by several hours.

CR 30897: BGP.

A BGP Announce Policy that tries to aggregate a large number of routes into a single route causes a tag violation to occur.

CR 31634: ATM.

The UNI3.1 configuration option in *install.bat* is malfunctioning.

CR 31942: BGP.

The script **show BGP policy announce** fails when evaluating BGP community information.

CR 32069: PPP.

The ASN sends PPP Protocol rejection packets despite receiving valid packets.

CR 32238: ATM.

After you restart a router, LECs can get stuck in the BUSCONNECT state until you bounce them manually.

CR 32240: X.25.

Call requests are always cleared if full addressing is set to OFF.

CR 32429: DLSw.

DLSw RFC mode becomes corrupted with QLLC and outbound calls.

CR 32445: BGP.

In ISP10.00, 11.00ISP, 11.01ISP, and 12.00, network range entries get merged incorrectly in an IP policy gate. This results in more specific routes being incorrectly advertised, along with the aggregate route.

CR 32580: Spanning Tree.

The Spanning tree algorithm fails to converge predictably under failure conditions.

CR 32712: BGP.

The *bgp.bat* script faults when you attempt to view BGP policies via **show bgp policy announce/accept**.

CR 32864: IPEX.

If a failure occurs at the remote IPEX IP interface, IPEX can no longer establish TCP connections with the remote IPEX routers. An enhancement to the current IPEX implementation allows you to configure the secondary remote IP interface for backup using the new MIB attribute wfIpexMappingRemoteBackuplp.

CR 32891: DLSw.

When the ARE receives a CUR and initiates a test poll to a host attached to the C100 switch, data from the host back to the ARE fails to switch over from the Bus to the Data Direct SVC. Performance is limited by the Bus and is very poor.

CR 29666: APPN.

The router fails to send discover packets to a PU on an SDLC line when a PU is varied off by NetView.

CR 31772: GAME.

The wfKernelEntry.wfKernelAliasBuffsDropped counter increments for both an alias gate that cannot get a copy buffer and an alias gate that has no members. This makes troubleshooting difficult because you cannot determine whether a router issue is performance-related. A new MIB counter, wfKernelAliasNoMembers, has been added. This MIB counter increments when a buffer is dropped when a gate alias has no member. Therefore, wfKernelAliasBuffsDropped will increment only when a gate cannot get a buffer.

CR 31947: Switched Services.

A fault occurs in map_rem.c line 60 in a BCN-2 router after the frame relay circuit at the BCN-2 router is disabled and enabled three times.

CR 32309: PPP.

A PPP link with compression can get caught in a state in which it will storm the link between the peers with LCP protocol-reject packets.

CR 32542: DLSw.

When a router receives data from a remote peer or from LLC2, an attempt is made to empty the flow control queue. The log file shows that the router received a flow control update in an IFCM message (no associated data), which prevented the queued data from being sent.

CR 30062: ISDN.

ISDN leased line fails to recover after incurring a line failure on an ARN router when you configure Dialup 2 B + 1 D on the other ISDN interface and add it to a Backup or Demand pool. This can cause the backup circuit to remain operational indefinitely.

CR 30565: OSPF.

OSPF maintains and exchanges invalid LSDB entries (over 47,000), causing excessive memory usage.

CR 30998: DLSw.

Using a wildcard in part of a MIB instance ID no longer works when specifying a GET request on wfDlsConnectionEntry.

CR 31240: IPX.

In router software version 11.00 and later, the IPX encaps gate creation may fail after a synchronous line is bounced. This prevents the transmission and reception of non-broadcast IPX traffic on that synchronous interface.

CR 31681: DLSw.

After issuing a connect_out, DLSw should receive a positive acknowledgment from SDLC. In some cases, after you delete and re-add (dynamically) a local device entry, the positive response is never generated, leaving DLS in an indeterminate state.

CR 31938: BGP.

Numerous problems occur in *bgp.bat* when using **show bgp policy**.

CR 32155: Source Route Bridge.

An orphan buffer occurs when you change the bridge ID to an unsupported value using the Technician Interface.

CR 32390: TCP.

In router software 11.00 and later, the MIB counter for established TCP sessions (wfTcp.wfTcpCurrEstab.0) can become inaccurate. When TCP sessions are lost and then reestablished, these connections are incorrectly counted as additional connections.

CR 29305: DLSw.

IBM 4702 Branch Bank Controller fails to connect with DLS 1795.

CR 29688: OSPF.

ip ospf_lsdb -t5 shows more LSDBs for the default route than actually exist.

CR 30611: FTP.

When you enter the command **XXXV** twice from the FTP prompt, the router faults in ftp_dsrv_xmit.c.

CR 31178: IPX.

When you ping a router configured with IPX, both the request and the response have an incorrect value in the IPX header for packet length. An IPX ping request, for example, is 37 bytes, yet the value of the packet length in the IPX header has a value of 36 bytes.

CR 28325: OSPF.

Learning about an OSPF neighbor whose router ID is 0.0.0.0 causes the router to create invalid LSDB entries.

CR 28563: APPN.

The default setting for an APPN port defaults to Disable. The default (and desired) setting should be Enable.

CR 18444: Switched Services.

The capability to specify a total exclusion of a weekend/weekday/specific day is missing. The ability to define a Scheduler entry of weekday/weekend or specific day with the mode set to Not Available is required. Currently, you can specify only the available time period.

CR 33204: OSPF.

After you bounce the OSPF base record, an exception vector 2 bus error occurs in ospf_update_sum_asb+0x168.

CR 33653: OSPF.

The TOS and metric fields in a summary link state update are corrupted.

CR 33729: DLSw.

A VBM error occurs when you attempt to copy a buffer set up by dls_tcp_rcv_op_act; the buffer's end offset is invalid.

CR 33806: IPX.

The router stops passing IPX NetBIOS traffic in a frame relay group mode hub and spoke environment using NetBIOS static routes with Novell Conformance disabled.

CR 30446: ATMZ_ARE.

Traffic is shaped incorrectly with VC-Clipping enabled.

CR 33379: DLSw.

ATM Data Direct fails to establish after the ATM link is disrupted.

CR 32094: ATM.

Data corruption can occur on packets larger than 1800 bytes.

CR 32296: ARN.

The ARN U interface adapter module fails to respond to NT1 loop codes.

CR 32843: ATMLANE.

If you Telnet into the router via the ATM (LANE) port and disconnect abnormally (physically remove the Telnet client station off the network without disconnecting Telnet), the router fails to terminate the Telnet process.

CR 33072: AT.

A slot synchronization fault may occur on an ARE slot when you reset a non-ARE slot configured for AppleTalk.

CR 33155: SDLC.

An SDLC connection will be dropped when an ARN router sends a packet before it is polled.

CR 23734: DLSw.

XID-Ps were dropped once the DLS connection has been established and then disconnected; that is, the DLS connection is in a disconnected state.

CR 33151: IPEX.

Between 11.00 and 11.02 implementations of IPEX, an 11.02 router cannot establish calls with an 11.00 router. A new MIB parameter, wfipxlnscallingDte, was added in the IPEX base. The default is Disabled to prevent the calling DTE address from being added, but will allow Router Software Version 11.02 to interoperate with lower revisions of code.

CR 33496: IP.

In Router Software Version 11.02 and later, IP frames received that are destined for a local host are not cached if that host has not yet been resolved.

CR 33307: IPX.

Packets are not always forwarded out the direct route. This problem can occur when an IPX route learned via RIP is also a directly connected route. If the route is learned through RIP first, and the cost of the RIP-learned route is less than the directly connected route, the directly connected route is dropped.

CR 25171: DECnet.

The router experiences a bus error when DECnet is deleted in dynamic mode on a frame relay circuit.

CR 32927: DECnet.

A router configured for DECnet IV over PPP sends out DECnet packets of “UNKNOWN TYPE.”

CR 33136: FDDI.

An FDDI interface fails to recover after receiving a PC trace message with external bypass switch.

CR 33156: GAME.

Running the **show bridge forward** script causes the router to fault with a tag violation.

CR 33410: IPEX.

If the X.25 client timer expires while IPEX is waiting for a clear confirmation from the remote X.25 connection (end-to-end mode only), X.25 will clear the call locally, causing the LCN to be freed. However, all structures related to the VC do not get cleaned up properly. As a result, any calls placed to this LCN will fail.

CR 32885: DLSw.

When a DLS TCP passive connection receives a connect request from a source IP address configured as a DLS backup peer, the TCP connection is opened but that information is not made known in the backup peer data structure. If the primary peer is disabled, DLS attempts to open a connection with the backup peer since it does not know the connection is already open. TCP fails to handle the request properly, resulting in a router fault.

CR 33330: Learning Bridge.

Bouncing a Learning Bridge interface results in a bus error when you disable Learning Bridge globally. On an ARE, a Vector2 MCP error can occur.

CR 31525: Technician Interface.

When you try to enable or disable the IPX base or an IPX circuit using the **enable/disable** script, the router responds with an error.

CR 33780: Learning Bridge.

If you globally disable Learning Bridge and then enable it on a slot, bridging fails to come up on that slot.

CR 33609: DVMRP.

When the prune timer expires on an intermediate router, grafts are sent for (s,g) items in the cache that had a status of pruned. Prune may be sent with an incorrect prune_timer, making the prune_timer inconsistent with the router and the upstream neighbor. As a result, the upstream neighbor may forward traffic earlier than expected.

CR 32268: X.25.

A X.25/PDN configuration cannot forward IP datagrams larger than 1915 bytes.

CR 32039: DLSw.

A router may fail to identify the RFC version of its remote peer, thereby preventing it from forwarding any ICANREACH packets and preventing DLS connections from establishing.

CR 31629: ARN.

The internal modem on an ARN router does not completely transfer (xmodem/ymodem) files with its default settings. The modem allows only about 20-29 percent of the file to be transferred.

CR 30535: DECnet.

DECnet unicast traffic using PDN/X.25 does not get forwarded out the synchronous interface on AN and ASN routers.

CR 31980: IPX.

In routers running software version 11.01 or later, a slot will start aging all IPX routes in its tables, even if it doesn't own the route. When the route age gets to three times the update interval of the interface on that slot, the route becomes unreachable and is removed from that slot's table and the route tables of the other slots.

CR 32354: IPEX.

An interoperability issue exists between 11.01 (remote) and 11.02 (central) routers. This condition occurs only when the central (BCN) router is booted with an 11.02 image and the remote (AN) router is booted with a 11.01 image.

CR 32498: OSI.

The router experienced a fault when attempting to boot with OSI and IPX.

CR 30327: DLSw.

When you terminate DLSw on an ARE slot (ATM LANE), router performance degrades after the host's MAC address is aged out from the cache. Shortly after the MAC address is aged out, performance begins to degrade.

CR 30919: OSI.

AN OSI adjacency will not always come up between two routers that are connected via PPP. This problem is evident about 80% of the time. Bouncing the interface may resolve this problem, but not in all cases.

CR 31075: DLSw.

In software version 11.00, the router may fault when aging out the DLS test table after DLS connections have been established. This causes the router to fault with tag violation errors or bus errors.

CR 31297: DLSw.

The connections in the DLS LLC1 connection table are incorrect at router1 when there is more than one connection to the same destination. The error appears at router1 when both end stations have a connected LLC session to the host.

CR 31449: IP.

When running a router in ISP mode, configuring a log and/or accept traffic filter causes a bus error to occur.

CR 31510: QLLC.

When you set wfX25QllcAddrMapOptions with option 2, the AN router locks up, requiring you to reboot to restore router operations. The lock-up occurs after an X.25 call is placed to an AS/400 for a downstream PU 1.0 device.

CR 31590: DLSw.

A router may fail to forward ICANREACH SSP messages to a remote peer if that router receives XID polls before fully establishing TCP connections.

CR 31718: ATM.

In an ATM Classical IP environment, an MCP error occurs on an ATM slot when the AtmArpServerRegInterval timer expires. The default for this timer is 15 minutes for an ATM client, and you cannot change this parameter in the MIB, even though Site Manager states otherwise.

CR 31804: GAME.

A problem exists in the ARN Ethernet motherboard that prevents you from configuring the buffer size. This could cause a problem in an OSPF network where a Links Advertisement exceeds 1824 bytes. For a large link state database, the Router Links Advertisement will fragment but will not be able to reassemble if the packet exceeds 1824 bytes.

You can set the buffer sizes to either 1824 or 4800 bytes on non-token ARN routers. The default is 1824. This setting will be saved in NOVRAM and will be read in at boot time.

Buffers can be carved from the Technician Interface as follows:

set wfKernCfgParamEntry.wfKernCfgParamDelete.1 1
commit
set wfKernCfgParamEntry.wfKernCfgParamBufSize.1 4800 (or 1824)
commit
set wfKernCfgParamEntry.wfKernCfgParamDelete.1 2
commit
reset 1

CR 31859: IPX.

When you bounce an ISDN BRI interface for a DOD circuit, the router experiences a bus error when the DOD circuit is the next-hop address for an IPX static route. A bus error does not occur if there is not an IPX static route configured for that circuit.

CR 32524: PPP.

After you upgrade to Router Software Version 11.02, PPP connectivity problems occur because of the new defaults for the MRU size. There are two new MIB parameters that you can set to comply with the suggested MRU of 1500 in RFC 1661:

wfPppLineEntry.WfPppRfc1661complianc

wfSwservOptsRfc1661compliance

CR 26853: DLSw.

After you disconnect and reconnect the SDLC lines to the PU or to the host on an SDLC-to-SDLC connection, a recovery problem may occur.

CR 26870: SNMP.

An enhancement request to allow you to set a threshold on the router for the maximum number of buffers that SNMP can allocate.

CR 27393: LB.

If you configure LB in dynamic mode and you disable LB globally, the router experiences a bus error.

CR 28318: APPN.

Configuring HPR over an SDLC link that connects two routers prevents DLUR/DLUS sessions from establishing.

CR 29853: BGP.

Setting up Black Hole Routing to respond with the message `ICMP Unreachable` does not work. Instead, it responds with the message `Does Not Respond`.

CR 29858: IP.

A VBM error occurs on the ARE when processing UDP checksum.

CR 30033: DLSw.

DLSw/SM should support MAXPDU > 2057 on SDLC links, but it does not.

CR 30070: IP.

Next hops to destination networks remain in the route table even after you disable circuits.

CR 30610: ARE.

Running the script **show process cpu** on an ARE while running traffic causes watchdog panics.

CR 30853: ARE.

DLSw experiences a problem when an XID poll sequence reconnects an APPN session.

CR 30885: BGP.

You are unable to change the local_pref of routes that have an origin of incomplete on a BGP Accept Policy.

CR 31054: AT_Dial.

When a USR modem is attached to a quad or octal sync module, no data gets passed. The modems call/ans and connect, but do not get passed to the LCP configuration. The Sending LCP Configuration Request packets are being seen, but there are no LCP config/requests received at either router.

CR 31062: IPEX.

X.25/IPEX does not pass called/calling addresses.

CR 31262: DLSw.

A BLN router configured with SDLC and Token Ring produces a fault, triggering service termination and a system restart.

CR 31315: SS/BACP.

BAP secondaries remain operational even though there is little or no traffic. Late BAP messages are ignored.

CR 31517: ATM LANE.

Routers running router software 11.00 or later will fault on an ARE interface upon receipt of an IP multicast packet.

CR 31546: DLSw.

V20 to V20 unconfigured peer connections do not establish.

CR 31644: QLLC.

A PC3270 client cannot reestablish a session after rebooting.

CR 31830: DVMRP.

Configuring DVMRP on a 100BASE-T appears to fault on FRE2s, thereby disabling AREs running DVMRP. The AREs MCP and the FRE2 faults in dvmrp_cache.c line 800 (looks like RPC failure).

CR 31856: SMDS.

Unable to forward IP datagrams to destinations via an SMDS link when the datagram size (beginning with IP header and including payload) is exactly 54 or 55 bytes less than the configured MTU on the SMDS interface of each of the routers.

CR 31926: Translation Bridge.

Translation Bridge (XB) stops caching RIFs for no apparent reason. Connectivity is not affected because the router still sends out AREs.

CR 31957: AppleTalk.

A VBM CPU read midpage error can occur on a ARE routing AppleTalk.

CR 32016: NBIP.

A bus error occurs in the NetBIOS over IP code on the router after a slot resets or after a boot.

CR 32111: OSPF.

When LSUs are multicasted out, the router does not fill one packet fully before sending out another packet. The same holds true for sending out ACKS. As a result, for an update event (LSUs plus ACKs) that can be completed with the exchange of 23 packets, the router exchanges approximately 350 packets.

CR 30925: ATM.

Routers running router software 11.00 or later will fail in address registration if you specify an ATM prefix of 45.

CR 31028: DVMRP.

In router software 11.01, IP multicast traffic may not be forwarded out of an interface on a slot for up to 5 minutes after the slot is reset.

CR 31182: BGP.

When BGP goes down, BGP routes authored by remote slots are not deleted.

CR 32088: ATM LANE.

An ARE configured with Token Ring LANE and IP Token Ring End is LE-ARPing for a MAC instead of for a RIF.

CR 26324: IPX.

Version 8 IPX MIB information still present in configuration after upgrading to version 10. This produces a configuration file that takes up additional flash space, and produces Version 8 IPX MIB objects that are no longer valid within the *config* file.

CR 30410: Source Route Bridge.

The router experiences bus errors when adding a Source Route bridging circuit when Source Route Bridging has been globally disabled.

CR 31710: IP.

A problem exists in Router Software Version 8.12 through 11.01/1 in which a gate that exists is being killed by other slots after having already been killed by the original slot.

CR 32046: Source Route Bridge.

If you disable the Source Route Bridge (SRB) base when booting the router, a bus error may occur.

CR 20225: Switched Services.

Log messages for Switched Services -- including Dial backup, BOD, Dial on Demand -- lack sufficient information to clearly describe the operation taking place.

CR 28170: Router Redundancy.

Enhancement request to add a new attribute (wfRRedundWarmBoot) to the wfRRedundGroup object. This new object allows you to dynamically change the role switch mode of the routers between “warm boot” (method used in software version 11.00 and earlier) and “hot swap” (method used in software version 11.01 and later).

Please note that the “warm boot” and “hot swap” versions are incompatible, therefore, all routers running Router Redundancy must be running the same version.

CR 30791: ATM.

Routers running router software 11.00 or later will fail to acknowledge LE_ARP responses from the C100, causing intermittent connectivity problems between the router and the switch.

CR 31464: Translation Bridge.

A NetBIOS session fails to establish itself after the translation bridge base is bounced. This occurs because the translation bridge drops the NetBIOS datagram packet sent by the server after bouncing the translation bridge base. As a result, the NetBIOS datagram packet never reaches the Enet (LB).

Site Manager Software Version 5.03 Fixed Anomalies

==========

Site Manager Software Version 5.03 is a post 5.00 revision. This version is backwards compatible and supports the following router versions:

11.03

11.02

11.01

11.00

10.01

10.0

Note: When running revisions of router software in conjunction with a fix version of Site Manager, be aware that there may be new MIB attributes that were added in a router revision that are not supported in a Site Manager revision. Refer to the revision notes for both Site Manager and router software.

==========

Site Manager Software Version 5.03 corrects the following problems:

==========

CR 35261: LLC.

If you configure DLS/LLC on an ATM circuit, the LLC1 pull-down menu on the Service Record window is missing for that circuit.

CR 32366: ATM.

Site Manager sets the Per-VC Clipping parameter to an invalid value when you modify other parameters in the window.

CR 34919: PPP.

Editing the RFC1661 Compliance field in Site Manager for dialup PPP circuits changes the wfPppLineRfc1661Compliance attribute, but not the wfSwservOptsRfc1661Compliance attribute. You must set the wfSwservOptsRfc1661Compliance attribute and the wfPppLineRfc1661Compliance attribute to the same value.

CR 32581: Site Manager.

When you select a slot in which a DS3 or E3 module is installed, Site Manager displays the wrong part number for that module.

CR 34717: ISDN.

When deleting PRI from an MCT port, Site Manager fails to delete the local telephone number associated with that port.

CR 34229: IP traffic filters.

When you reorder IP traffic filters on an interface that has fewer than 32 filters, Site Manager disables the IP extended support parameter. This occurs even if there is another interface on the router that has more than 32 traffic filters and requires that the parameter be enabled. Interfaces requiring this parameter to be enabled will not apply any filter above the 32nd filter.

CR 34297: PPP.

When you configure source route bridging on a switched services circuit, Site Manager fails to enable BCP for that PPP circuit. As a result, BCP is never negotiated when the dial circuit is established and bridging does not work on that link.

CR 34152: IP traffic filters.

When reordering the IP traffic filters, selecting INSERT AFTER inserts the filter before the precedence number that you selected. This condition occurs in both dynamic and local mode.

CR 34527: BootP.

When you add an entry to the BootP Relay Agent Preferred Server Table, Site Manager may display leading ??? characters and an incorrect Relay Agent IP address in the table.

CR 33887: SYNC.

In Statistics Manager, the Octets In and Octets Out fields in the SYNC Traffic Information window do not get updated after you select Options > Zero All Counters.

CR 33935: ATM.

If you click the SAAL button in the Edit ATM Connector window and the ATM signal AAL record list is empty, an error message appears.

CR 34120: HSSI.

Site Manager does not set the correct default of 32 bits for the CRC Size parameter (wfHssiCrcSize).

CR 34239: Router Redundancy.

A general protection fault (GPF) occurs on the PC when you use the Edit Lines facility from a non-primary router redundancy interface to select another line.

CR 34819: LLC2.

The LLC Circuit pull-down option appears to the right of the Help option instead of to the right of the Window pull-down option. This problem occurs only on the PC.

CR 33787: ISDN.

Site Manager may erroneously enable BOFLs on an MCT-1 module. If you select a primary circuit on an MCT-1 module from the Dial Backup Circuits window, click on Cct Type to display the Circuit Type and the Backup Pool ID, and then click on OK without making changes, BOFLs are enabled on all logical lines of the MCT-1. This action disconnects all dial-on-demand and dial backup circuits configured on that port.

CR 31779: DLSw.

The following MIB attribute has been added to the router software:

wfDlsLocalDeviceEntry.wfDlsLocalDeviceEnableXidPassthru

Must add the parameter Enable XID PassThru to Site Manager.

CR 31694: DLSw.

CR 33647: When you configure DLSw on a token ring interface, no source route bridge windows or prompts appear.

CR 34370: DLSw.

If you add DLSw to a second token ring network, Site Manager sets the Bridge ID to 0.

CR 34335: Frame Relay.

When you delete a frame relay PVC or service record, Site Manager does not display a confirmation prompt.

CR 34391: DLSw.

When you configure a new DLSw/SDLC circuit in dynamic mode, the Source SAP and Destination SAP parameters are missing from the DLS Local Device Configuration window. Also, Site Manager corrupts the values you entered for the Source MAC and Destination MAC parameters.

CR 34119: Site Manager.

You cannot change the name of an ISDN leased line configured on a BRI interface when using the Change Lines option from the Circuit Definition window.

CR 33931: Site Manager Installation.

After you install Site Manager, a message should appear, indicating the environment variables that need to be defined to run Site Manager.

CR 33602: IP.

Site Manager allows static routes with invalid subnets to be created.

CR 33882: IP.

In Site Manager, under Protocols > IP > SNMP > Trap > Interfaces, RREDUND is not listed as an available entity. In Site Manager, under Protocols > IP > SNMP > Exceptions, when you add an exception for the Entity Code 98, it lists the entity name as NULL.

CR 33311: DLSw.

Site Manager is missing the LLC Circuit option for an ATM DLSw interface.

CR 32864: IPEX.

If a failure occurs at the remote IPEX IP interface, IPEX can no longer establish TCP connections with the remote IPEX routers. An enhancement to the current IPEX implementation allows you to configure the secondary remote IP interface for backup using the new MIB attribute wfIpexMappingRemoteBackupIp.

CR 18444: Switched Services.

The capability to specify a total exclusion of a weekend/weekday/specific day is missing. The ability to define a Scheduler entry of weekday/weekend or specific day with the mode set to Not Available is required. Currently, you can specify only the available time period.

CR 32524: PPP.

After you upgrade to Router Software Version 11.02, PPP connectivity problems occur because of the new defaults for the MRU size. There are two new MIB parameters that you can set to comply with the suggested MRU of 1500 in RFC 1661:

wfPppLineEntry.WfPppRfc1661compliance

wfSwservOptsRfc1661compliance

CR 33151: IPEX.

A problem exists between the Version 11.00 and Version 11.02 implementations of IPEX in which an 11.02 router cannot establish calls with an 11.00 router. A new MIB parameter, wfIpxInsCallingDte, has been added in the IPEX base. The default is Disabled to prevent the calling DTE address from being added, but will allow routers running Router Software Version 11.02 to interoperate with lower revisions of code.

CR 28170: Router Redundancy.

This is an enhancement request to add a new attribute (wfRRedundWarmBoot) to the wfRRedundGroup object. This new object allows you to dynamically change the role switch mode of the routers between “warm boot” (method used in software Version 11.00 and earlier) and “hot swap” (method used in software Version 11.01 and later).

Please note that the “warm boot” and “hot swap” versions are incompatible, therefore, all routers running router redundancy must be running the same version.

CR 30222: DLSw.

When the MIB version of a router is lower than 11.00, the IP addresses in the DLSw Peer IP table are not visible.

CR 32489: Hot Standby.

The Hot Standby code in the router supports the backup of a primary circuit configured as a bandwidth on demand circuit. However, Site Manager prevents BOD circuits from being backed up by the Hot Standby feature.

CR 31518: Router Discovery.

When configuring a Discovery router, Site Manager allows you to configure the minimum and maximum interval to the same value. The Help screen indicates that the minimal interval value should be less than the maximum interval value. The maximum interval should be at least 4 greater than the minimum interval value. Site Manager fails to check whether the values are valid.

CR 31906: Multiline.

Protocol Priority fails to appear in the Protocols box with multiline configured.

CR 32581: DS3.

Site Manager displays the part number AG13110114 for DS3Os, which is incorrect. The correct part number is AG13110115.

CR 28953: Router Redundancy.

When adding router redundancy to a circuit, only the IP and RIP should be available. When you select router redundancy to add protocols, unsupported protocols should be deselected (or made inactive).

CR 30930: SM-OTHER.

The connection list does not reflect the router that has the SNMP connection.

CR 32915: ARN.

You cannot add TCP, Telnet, or FTP to an ARN router after creating a new configuration file.

CR 31478: SM-OTHER.

Restarting Site Manager and adding the fully qualified name of a router caused Site Manager to immediately abort.

CR 32311: APPN.

Unable to change the Adjacent Node Type parameter from the default value LEARN.

CR 32461: Site Manager.

When installing PC Site Manager, you will notice that the install screen % complete is inaccurate. The % complete runs up from 0%-89%, then jumps back to 59%. On its way back up, it bounces back and forth 92%, 93%, 92%, 93%, 94%, 93%, and so forth.

CR 32599: Site Manager.

After you install Optivity and populate the Site Manager database, the router icons for Bay Networks routers are incorrect. When you run the WFSM_INSTALL script, Site Manager removes the */usr* (or */opt*) */lnms/snm/icons/synfleet-router.icon* and *synfleet- router.icon* files.

CR 28082: ATM.

The ability to enable the SSCS Type field in AAL5 for interoperability with an IBM ATMARP Server (the IBM MSS, an ATM ARP Server for their Switch) is missing.

CR 32129: QLLC/DLS/X.25.

After you configure X.25 with QLLC as the service type and add DLSw from the X.25 Service Configuration screen, Site Manager faults when you select the X.25 service record in the list box.

CR 32127: QLLC/DLS/X.25.

After you configure a circuit with X.25 and QLLC as service type and add DLSw from the X.25 Service Configuration screen, DLSw remains active on a circuit even after you have deleted it (from the Configuration Manager screen).

CR 32663: Frame Relay.

Frame Relay is not listed under the available WAN protocols for the AN200 router.

CR 31733: Image Builder.

When the file name of a screen you saved using Image Builder is 13 characters or longer and has a description associated with it, Site Manager combines the name and the description, causing the screen to corrupt. You cannot delete these corrupted files with the Screen Manager utility.

CR 27728: Thresholds.

You cannot set the Threshold Max Successive Alarms and the Threshold HoldDown Intervals to values other than their defaults.

CR 31864: SYNC.

The default parameter for Sync Passthru is incorrect.

CR 32110: Statistics Manager.

The Resource MIB is not included in the Statistics Manager utility.

CR 32427: Report Generator.

rpt2cfg fails to set SysName to indicate that the configuration was built with it.

CR 32350: Token Ring Endstation.

When you edit the IP or IPX interface entry of a demand circuit group, Token Ring Endstation can be enabled but should not be selectable.

CR 29400: Protocol Priority.

Site Manager allows you to configure the value 0x0021 for the PPP Protocol ID in priority outbound filters.

CR 28238: SDLC.

SDLC addresses appear incorrectly as decimals in the Site Manager Show Circuits window.

CR 33279: Protocol Priority.

Protocol Priority does not appear in the protocol box for the circuit or in the protocol menu when editing a circuit, or when selecting protocols from the main screen.

CR 33355: Site Manager.

Performance suffers when you configure a router running Router Software Version 11.00 or later in dynamic configuration mode. When you configure dial backup in large configurations, it may take several minutes for the Backup Circuits screen to appear because of the inordinate number of SNMP GETS and replies being performed by the Site Manager station.

CR 33126: Report Generator.

The Report Generator cannot recognize the new protocols that have been added.

CR 33097: SNMP.

Unsupported Hardware Inventory Report (hdwrpt) tool required the addition of SNMP language features from the SNMPerl 1.6 Dynamic Library. However, this library did not get submitted to later baselines of Site Manager, preventing the hdwrpt tool from behaving as expected. Disabling an ATM service record while SPT is turned off globally causes a Vector 2 - MCP error to occur on the ARE slot.

CR 32970: BGP.

Site Manager prevents you from configuring more than one BGP soloist slot when working with an ISP Mode router (11.00ISP or 11.01ISP). Any attempt to configure more than one soloist slot results in an error.

CR 26320: Configuration Manager.

The CHAP/PAP password is changed after you exit from the backup primary circuit types.

CR 33004: Dial Backup.

The Report Generator fails to write to the PC root directory.

CR 30060: Site Manager.

The system name that appears does not match the name in the connection list.

CR 26479: Statistics Manager.

The IPX Circuit screen displays incorrect information when invoked from the Statistics Manager utility.

CR 33277: Token Ring Endstation.

The TR Endstation ARP type should not be available when configuring the Demand Circuit group.

CR 27715: File Manager.

Files should appear in lexicographical order in the Files Manager TFTP Put screen and in local configuration files list.

CR 29473: NTP.

The IP Mask parameter incorrectly defaults to 0.0.0.0.

CR 33797: IP.

A tag violation error may occur on a router when you attempt to dynamically create an IP filter.

CR 33796: IP.

You can create the IP traffic filter Forward to Next Hop but you cannot edit it locally or dynamically.

CR 33861: IP.

The Token Ring Endstation ARP type field is missing from the IP interface definition, even on a Token Ring circuit.

CR 33482: ISDN.

Opening a local configuration with an ISDN adapter module Port Application Mode configured for 2B+D produces the following warning message `WARNING: Empty Module 2 has circuits configured`.

CR 15970: IP.

If you configure IP on a router interface, edit the interface to add BootP, and then edit the interface to add another IP address, the second IP address does not show up in the BootP Relay Agent Interface Table. This problem does not occur if you select BootP at the same time you create the IP circuit.

CR 24057: Site Manager.

Running the **rpt2cfg** command fails to recreate circuitless IP.

CR 30906: IP.

A problem exists when you apply a template to a circuit that has one IP source address range, 22 IP destination address ranges, and at least one TCP destination port. When this template is applied to a circuit, it shows up in two fragments. Neither fragment has a circuit number or IP address; both fragments are inactive.

CR 31270: Frame Relay.

When you configure frame relay multiline, frame relay does not appear in the WAN protocols window.

CR 27059: APPN.

APPN/DLUR connected via SDLC to 3174 fails at XID negotiation.

CR 30658: IP.

Site Manager does not allow you to activate the third filter in an IP traffic filter configuration.

CR 31124: BGP.

If you create a BGP announce policy in dynamic mode, the Origin field defaults to 0. This is not a valid value.

CR 31334: PPP.

Bandwidth-on-demand PPP circuits do not appear in the Bandwidth-on-demand circuit definition window.

CR 31428: BGP.

The BGP-4 accept policy allows you to include in an injection list only the default network ID, 0.0.0.0/0.0.0.0.

CR 31474: DLSw.

When you add DLSw to a token ring interface that already has Source Route Bridge configured, the DLSw Basic Interface window incorrectly displays the SR Interface Ring ID as 0x0. The field should display the Interface Ring ID that was already configured when you configured Source Route Bridge on the interface.

CR 31516: BGP.

After you change an IP address of an interface, the APPLY and PEER buttons no longer appear on the IP Interface List for BGP window.

CR 23647: PPP.

Running the **rpt2cfg** command fails to recreate PPP record number 65535.

CR 26777: SYNC.

You cannot configure ASYNC on the COM2 port of an ASN.

CR 26864: Statistics Manager.

When using the Stop Retrieval option from the PC Site Manager Statistics Manager Quick Get facility, an SNMP receive error (Packet to Big) occurs.

CR 28231: SDLC.

Site Manager sets the APPN parameters Total Link Activation Limits, Inbound Link Activation Limits, and Outbound Link Activation Limits to invalid values. If you define an SDLC line with two 3174s and DLUR/DLUS, only one device is polled.

CR 28663: Site Manager.

When you use BCC to configure a router, TFTP must be explicitly defined. If TFTP is not defined through BCC, a general protection fault occurs when you choose Protocols > IP > TFTP from Configuration Manager.

CR 28981: OSPF.

The OSPF Maximum Equal Cost Paths parameter on the OSPF Global List window should be removed. The parameter supports an OSPF multipath feature that is not supported in Router Software Version 11.00.

CR 29012: IP.

The RIP Maximum Equal Cost Paths and Multiple Next Hop Calculation Method parameters should be removed from the IP Global window. These parameters support the RIP multipath feature, which is not supported in Router Software Version 11.00.

CR 29466: DLSw.

When you configure two DLSw traffic filters, the first one created is correct. However, when you create the second filter using the same action, the action disappears from the template.

CR 29693: IPX.

If you create an ATM service record, add IPX and then select Service Record > Protocols > IPX > Interfaces, the IPX Token Ring End Station parameter is grayed out. This parameter should be accessible in Site Manager.

CR 31034: TCP.

The TCP_ESTABLISHED traffic filter uses incorrect filter criteria. The filter should be implemented to key on the 107 - 109 bits within a TCP/IP packet. It should be used as an accept filter, allowing a router to make outgoing TCP connection requests, but not to accept an incoming SYN.

CR 31092: BGP.

Site Manager incorrectly allows you to configure a non-local address for the BGP peer local address parameter.

CR 31523: Site Manager.

Site Manager loads NTP only on slots that contain configured link modules. NTP must be loaded on all slots.

CR 24206: IPX.

If you change the default values for the FR Broadcast or the FR Multicast parameters on the IPX Interface window, you cannot change the values back to the defaults by leaving the fields blank. Instead, Site Manager assigns each parameter a value of 0x00.

CR 24435: APPN.

The Adjacent Node ID Number and Adjacent Node Block Number fields in the APPN/SDLC Adjacent Link Station Configuration window are labeled incorrectly. The Adjacent Node ID Number field actually represents the Adjacent Node Block Number field and vice versa.

CR 30033: DLSw.

Site Manager should support a MAX PDU greater than 2057, which is the current limit for SDLC links.

CR 28238: SDLC.

When you view the Show Circuits and Show LS Stat parameters, the SDLC address appears in decimal notation, not as the 2-digit hexadecimal value entered.

CR 18444: Switched Services.

Site Manager does not allow you to exclude a weekend, weekday or specific day with the current scheduler implementation. An Availability Mode parameter has been added to Site Manager.

CR 31757: Site Manager.

If you use the Technician Interface to delete instance number 4 for Serial Port Entry on a VME platform, Site Manager recreates instances 2, 3, and 4.

CR 26176: LNM.

If you delete LLC2 from a circuit that has an LNM Server configured on it, in dynamic mode, SNMP set errors occur; in local mode, Site Manager terminates.

CR 23862: FDDI.

After you delete an FDDI link module from a slot, enhanced FDDI parameter tables remain in the configuration file.

CR 31503: FireWall.

Added support for FireWall.

CR 31908: FireWall.

When you add FireWall to your router, a warning message similar to the following should appear:

```
Adding FireWall to your router configuration will cause loss of IP
connectivity through any ethernet or frame relay port. You should
only proceed if your policies are ready to be downloaded to your
router.
```

CR 31936: FireWall.

No online help is available for the FireWall parameters in Site Manager.

CR 31011: FireWall.

When you configure FireWall for an ASN, using Site Manager, the Site Manager application hangs.